World Academy of Science, Engineering and Technology
International Journal of Medical and Health Sciences
Vol:17, No:03, 2023

# WT1 Expression in Ovarian Malignant Surface Epithelial Tumors

**Authors :** Mahmoodreza Tahamtan

**Abstract :** Malignant surface epithelial ovarian tumors(SEOT) account for approximately 90% of primary ovarian cancer. We evaluate the immunohistochemical expression of WT1 protein among different histologic subtypes of SEOT. Immunohistochemistry for WT1 was done on 35 serous cystadenocarcinomas, 9 borderline serous tumors. A tumor was considered negative if < 1% of tumor cells were stained.Positive reactions were graded as follows:1+,1%-24%; 2+,25%-49%; 3+,50%-74%; 4+,75%-100%. Of the 35 cases of ovarian serous cystadenocarcinoma 30(85.7%)were diffusely positive(3+,4+),4 showed reactivity of < 50% of the tumor cells(1+,2+) and one were negative. All 9 borderline serous tumors showed immunoreactivity with WT1. WT1 is a good marker to distinguish primary ovarian serous carcinomas from other surface epithelial tumors.

**Keywords :** WT1, ovary, malignant, epithelial tumors
**Conference Title :** ICMIHS 2023 : International Conference on Medical Immunology and Health Sciences
**Conference Location :** Dubai, United Arab Emirates
**Conference Dates :** March 16-17, 2023